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.06 in. external diameter. The embryo was allowed to decay as suggested by Capt. Bendire, when, after about a week, it could nearly all be drawn through the tube. A few pieces of bone, the largest being the tip of the upper mandible, were withdrawn with the forceps. The shells are readily washed clean after removing the contents by submerging in water and allowing the pump to act until the wash water comes out clear from the shell. In case of eggs which are injured by water this plan will of course not answer.

The filtering flask used should be of *strong glass*, as otherwise the atmospheric pressure outside might cause its collapse, which may be nearly as disastrous as an explosion.

The rubber tubing should be of the kind known as pressure tubing.

All joints should be made tight to prevent the leakage of air and consequent lowering of the efficiency of the aspirator.

The different parts of this apparatus may be obtained from any dealer in chemical supplies, the most expensive item — the Chapman aspirator — costing about a dollar and a half.

When the water tap is provided with a screw thread, as is sometimes the case, the aspirator may be obtained with a connection suitable for attaching directly to the tap, which does away with considerable trouble in attaching to a water main. A water pressure of twenty-five pounds is found to work well. Probably a higher pressure would give still better results.

E. E. BREWSTER.

Iron Mountain, Mich.,

Dec. 3, 1894.

NOTES AND NEWS.

MR. GEORGE N. LAWRENCE, one of the Founders and an Honorary Member of the American Ornithologists' Union, and for some years a member of its Council, died Jan. 17, 1895, at his residence in New York City, in the eighty-ninth year of his age. Mr. Lawrence was especially known as an authority on the birds of tropical America, to which his attention was chiefly given during the long period of his scientific activity. As a writer on North American birds he will be mainly remembered for his association with Baird and Cassin in the authorship of the famous 'IXth Volume' of the Reports of Explorations and Surveys for a Railroad Route from the Mississippi River to the Pacific Ocean, published

in 1858, to which Mr. Lawrence contributed the parts relating to several orders of the Water Birds; and for his well known 'Catalogue of Birds observed on New York, Long and Staten Islands, and the adjacent parts of New Jersey,' published in 1866. He was an intimate friend and scientific associate of the late Professor Baird, and also of Audubon. During the later years of his life the infirmities incident to age greatly lessened his activity in scientific research, but in no way diminished his interest in the science to which he had devoted so many years of his life, his ornithological publications covering a period of fifty years. His high standing as a specialist in his chosen field is well attested by the honorary memberships conferred upon him by many of the leading scientific societies and academies of not only his own country but of Europe. His amiability of character endeared him to a wide circle of friends, so that in his death his scientific associates mourn the loss of a personal friend as well as an esteemed fellow-worker.

In order that proper respect may be shown by the Members of the A. O. U. as a body to the memory of deceased members, the following resolution was adopted at the Tenth Congress of the Union:—

"*Resolved* : That on the decease of any Active Member of the Union, the President shall appoint a Committee of One to prepare a suitable memorial of the life and work of the deceased, to be read at the first Stated Meeting of the Union, and to be published in 'The Auk' as an expression of the sense of the Union."

Mr. Lawrence is the first deceased member coming within the scope of this resolution since its adoption, and, in accordance with its provisions, the President, Dr. Coues, has appointed Mr. D. G. Elliot as the memorialist of Mr. Lawrence — a selection singularly fitting, inasmuch as to no member of the Union is the life and work of the late Mr. Lawrence better known than to his long intimate associate Mr. Elliot. The eulogy will be read at the next Annual Meeting of the Union and published in 'The Auk' for January, 1896.

DR. FREDERICK H. HOADLEY of New Haven, an Associate Member of the American Ornithologists' Union, died at Palm Beach, Florida, February 26, 1895, aged 45 years. While only an amateur in ornithology he was a great lover of birds and contributed many field notes to the record books of his ornithological friends.

He spent much time in the Adirondacks, but his most important ornithological observations were made on the west coast of Greenland and in Smith Sound, which region he visited in 1882 in the capacity of Surgeon-Naturalist to the first Greely Relief Expedition. His collection was presented to the United States National Museum.

Dr. Hoadley was a graduate of Yale and a man of more than ordinary ability. His death will be mourned by a large circle of friends.

THE Annual Meeting of the Delaware Valley Ornithological Club was held at the Academy of Natural Sciences, Philadelphia, on January 3, 1895. During the past year sixteen meetings were held, with an average attendance of seventeen, showing an increased interest in the work of the club. Among the more interesting communications during the year were 'Summer Birds of the Pocono Mountain,' Witmer Stone and Wm. A. Shryock; 'Breeding Habits of the Snow Bunting,' Dr. Wm. E. Hughes; 'Some Bird Experiences in the South,' Wm. J. Serrill; 'Bird-life on Vancouver Island,' G. S. Morris; 'Birds of Pike County, Pa.,' S. N. Rhoads; 'The Effects of Poke-berries on Birds,' Dr. W. E. Rotzell; 'Summer Birds of Elk County, Pa.,' Wm. L. Baily; and 'Ducking on the Susquehanna Flats,' I. N. DeHaven. In December the Club issued its work on the 'Birds of Eastern Pennsylvania and New Jersey' (see *antea*, p. 170) prepared by Mr. Witmer Stone. It is the intention to publish supplements to this volume every few years, and the author will be glad to receive corrections or additions from any one who may be able to furnish them.

The officers elected to serve for the ensuing year are President, Dr. William E. Hughes; Secretary, Charles J. Rhoads; Treasurer, William L. Baily.

'THE NIDIOLOGIST,' formerly published at Alameda, Cal., will hereafter be issued at No. 150 Fifth Avenue, New York City, Mr. H. R. Taylor, the editor and publisher, having permanently removed to the above address. We trust the new environment will prove congenial, and that the success that has hitherto attended 'The Nidiologist' will be augmented by the new change of base.

MRS. OLIVE THORNE MILLER, whose charming bird-studies have done so much to popularize ornithology, adds to the good work accomplished by her pen by giving series of talks on the habits of our commoner birds. The large attendance at her last course, delivered at the Hotel Waldorf, New York City, is evidence of the success of her undertaking.

MACMILLAN AND CO., of this city, announce, as nearly ready for publication, a novel departure in bird books for field use, under the title 'Bird-craft,' by Mrs. Mabel Osgood Wright, author of 'The Friendship of Nature' (see Auk, XI, p. 314). The text will give non-technical descriptions and biographies of about 200 species of the Song, Game, and Water Birds of the Eastern and Middle States, with keys especially intended for the easy identification of birds in life. It will contain a number of introductory chapters of a general character, and be illustrated with colored plates by a new process.

CORRECTION. In the January number of 'The Auk' (Vol. XII, pp. 87-89), the article entitled 'Notes on the Summer Birds of Central Berkshire County, Mass.,' was inadvertently attributed to Mr. Francis H. Allen. It was contributed by Mr. Ralph Hoffmann, to whom it should be credited.